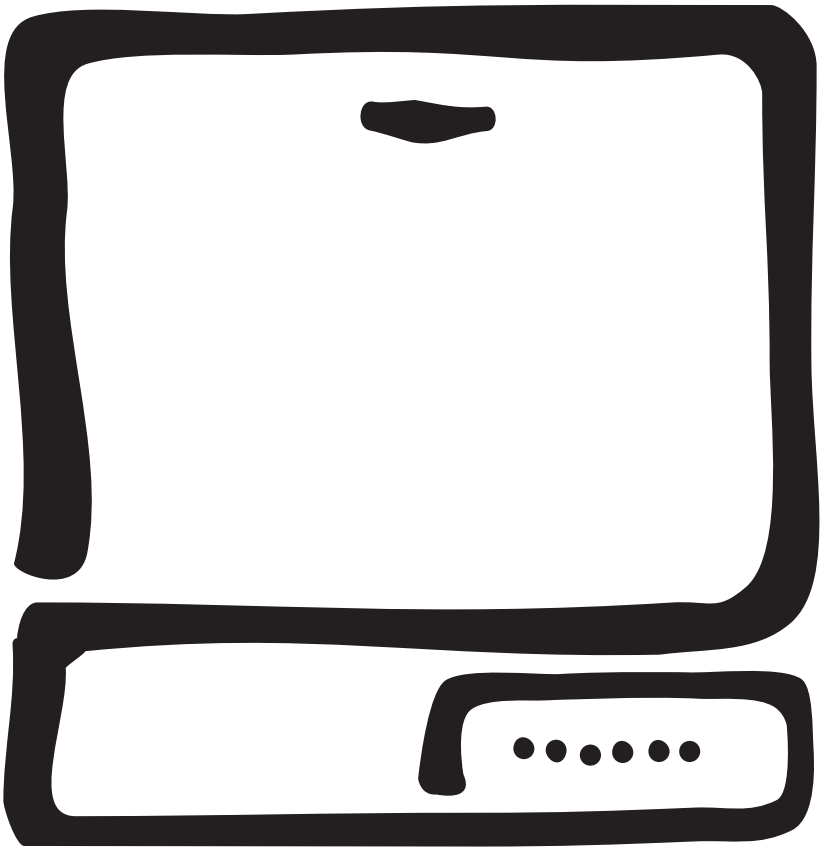
d i s h w a s h e r

INSTRUCTION BOOK



ESF 2410

822 61 11-48

EN

Contents

For the User

Safety information 3

Description of the appliance 4
- Rinse conditioner dispenser
- Spray arm
- Coarse filter
- Fine filter
- Detergent dispenser

The control panel 5
- Audible signals

Loading the dishwasher 6
- How to load the dishes

Programme chart 7

Using the appliance 8
- Starting the programme
- Interrupting the programme temporarily
- Cancelling the programme
- Cancelling the drying phase
- Setting the delay start
- Switching the dishwasher off / Unloading
- Cleaning the dishwasher

In the event of a fault 9-10

Information for test centres 11

Service 12
- Service and spare parts

For the Installer

Technical specifications 13

Unpacking 14
- Damages
- Use
- Building-in
- Protecting the machine against freezing

Installation 15
- Positioning
- Water inlet
- Water drainage
- Electrical connection

Guide to use the instruction book

The following symbols will be found in the text to guide you throughout the instructions:

Safety instructions

Step by step instructions

Hints and tips

Environmental information

⚠ Safety information

Before installing and first using the dishwasher, read this instruction booklet carefully, including its hints and warnings. To avoid unnecessary mistakes and accidents, it is important to ensure that all people using the dishwasher are thoroughly familiar with its operation and safety features.
Save these instructions and make sure they remain with the dishwasher if it is moved or sold, so that everyone using it through its life can be properly informed on appliance use and safety.

Installation and servicing

- All installation and service work done on the product must be carried out by a qualified technician. Work performed by persons with inadequate knowledge may adversely affect the satisfactory functioning of the product and may cause personal injury or damage. Before any work is carried out on the dishwasher, it must be isolated from the electrical supply, by unplugging the power cord or removing the fuse.
- Water connection shall be made via an easily accessible stopcock.
- The power cord must be plugged into an earthed socket, which need to be easily accessible. Permanent installation must only be carried out by an authorised electrician.
- If the power cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
- Make sure that the power cord is not nipped or otherwise damaged and that the hoses do not get crushed or kinked when moving the dishwasher in connection with installation or cleaning etc.
- Our approved build-in kit must be used if the dishwasher is to be built into the kitchen furnishings.
- Servicing and possible repairs must be carried out by a service company authorised by the manufacturer. Use only spare parts supplied by these. Never try to repair the dishwasher yourself.

Child Safety

- The dishwasher should be used by adults only. Do not let children play with the controls or other parts of it.
- Remember that the plastic bags included in the packaging can be fatal playthings for small children.
- Keep all detergents in safe place out of children´s reach.
- Prevent children from sitting, swinging or standing on the open door.

During Use

- This dishwasher is designed solely for washing household utensils suitable for machine washing. Using it for other purposes could lead to physical injury or damage to property and invalidate the guarantee.
- Avoid opening the door while the dishwasher is running, as hot steam may escape.
- Only use detergent specifically designed for use in dishwashers.
- Do not place sharp knives with their points upwards. It is much safer to lay them horizontally in the basket.
- Ensure that the door of the dishwasher is always closed when it is not being loaded or unloaded. In this way you will avoid anybody injuring themselves on the open door, if the dishwasher is placed under the worktop.
- If you take any dishes out of the machine before the end of the dishwashing cycle, it is extremely important to rinse them thoroughly under running water to remove any remaining detergent.
- In the event of flooding or leakage, shut off the water supply immediately by closing the stopcock and disconnect the power supply by unplugging the power cord or removing the fuse. When removing the electrical plug, grip the plug, not the lead.
- There is always a certain risk of leakages in any machine connected to a water supply, no matter what water safety features it may have. Therefore it is advisable always to turn off the water supply tap when the machine is not in use.

Disposal

- packaging:

All materials used in packaging this appliance are environmentally-friendly. The various plastics used are identified and can be recycled:

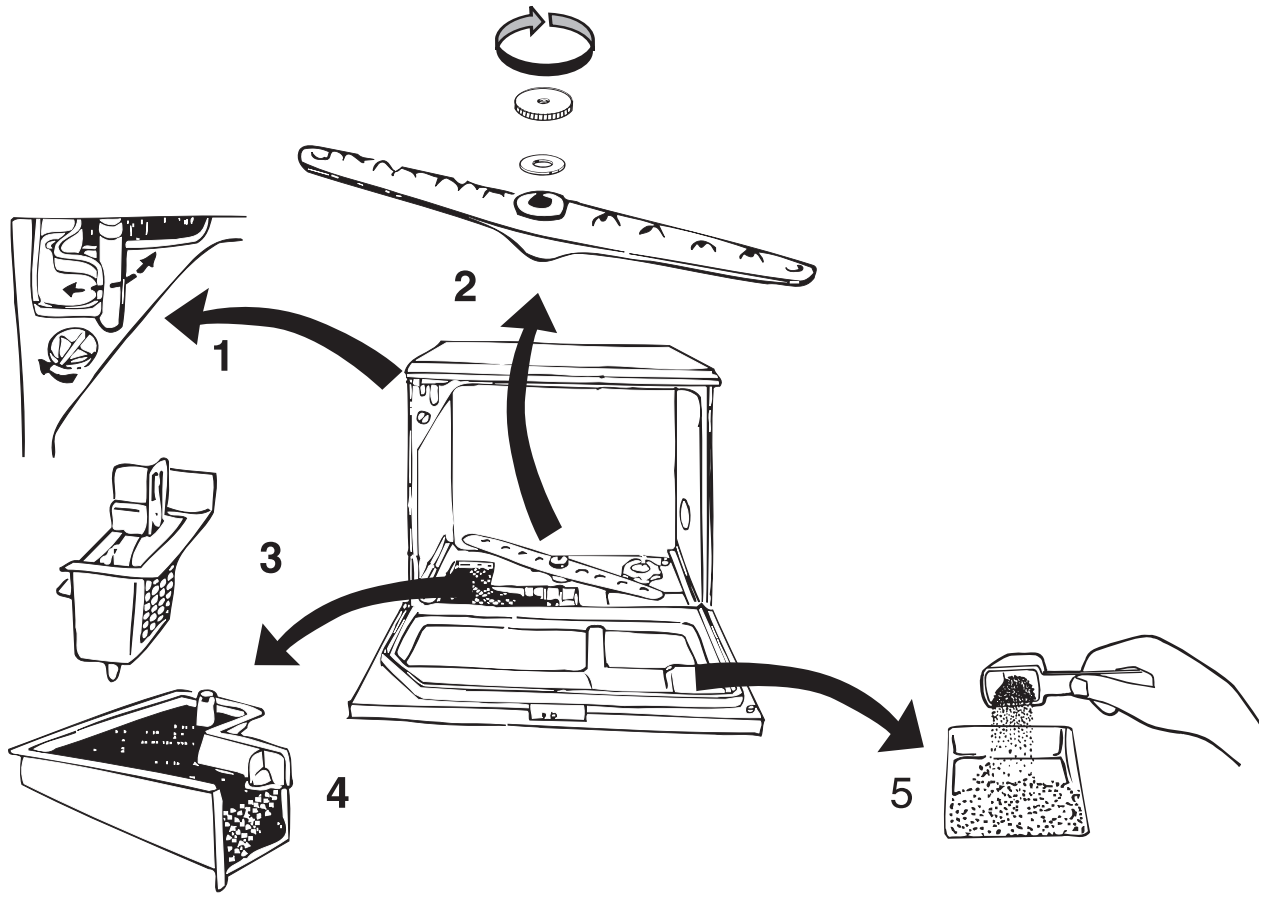
- PE stands for polyethylene, which is used for the bag around the appliance and the bag in which these instructions were supplied.
- PS stands for polystyrene (moulded), which is used for the sections of packaging needed to cushion the appliance.

The cardboard components of the packaging are made from recyclable paper and should be taken to a collection point for recycling.

- old apparatus:

The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Description of the appliance



Rinse conditioner dispenser 1

Use of a rinse conditioner will result in cleaner and faster drying of the load, since it helps water to run off. Too much conditioner may result in streakiness, too little may cause white spots. The dispenser holds about 140 ml. This is enough for 40-70 wash cycles, depending on the dosage setting. When the rinse conditioner level is approaching the bottom of the scale it is time to refill the dispenser.

Adjust the dosage setting according to the hardness in the water. Begin with the lowest dosage setting and increase if necessary by turning the arrow clockwise.

1. Swivel out the filler trough.
2. Fill up with rinse conditioner until the level reaches up to the red mark on the level indicator tube; do not overfill.
3. Wipe off any spillage carefully to prevent excessive foaming during the next wash programme.
4. Close the filler trough afterwards.

Do not fill the rinse aid dispenser with liquid detergent.

Spray arm 2

It is important to keep all the holes in the spray arm clear. A clogged hole can seriously affect washing efficiency. If the spray arm needs cleaning, unscrew the nut clockwise, remove the washer and lift off the spray arm. Clear the holes and shake out any food remnants.

Coarse filter 3

The purpose of the coarse filter is to catch large objects such as toothpicks and pieces of eggshell. Make sure that the filter is always clean. Lift it out and rinse it under running water whenever necessary.

Fine filter 4

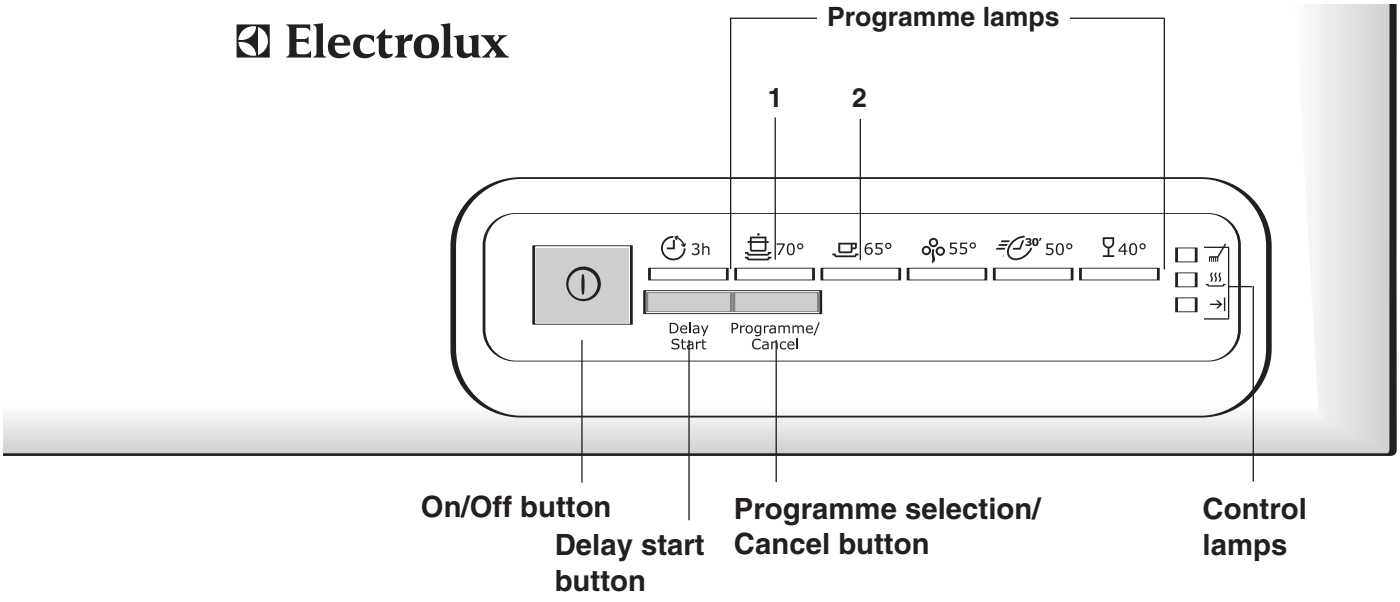
It is just as important to keep this filter clean. A dirty or clogged filter will always impair washing efficiency. The fine filter can easily be lifted out for cleaning when you have removed the coarse filter.

Detergent dispenser 5

Consult the instructions on the detergent packet and fill the compartment. Remember that the instructions usually refer to full-size dishwashers, for example when using detergent tablets, it is sufficient to use just half a tablet.

Only use detergents specially designed for dishwashers.

The control panel



Programme selection/cancel button

is used to:

- select the programme
- deactivate/activate the audible signal
- cancel a dishwashing cycle

Control lamps:

Shows that:

- Wash cycle in progress
- Drying in progress
- Programme cycle ended

The programme cycle ended lamp has also other functions of visual signalling:

- when deactivating/activating the audible signal
- with malfunction of the machine

Audible signal

Audible signal have been introduced to help indicate which operations the dishwasher is performing:

- end of washing programme
- malfunction of the machine

Deactivation/activation of the audible signal

The audible signal is activated when leaving the factory.

1. To deactivate the signal: With the dishwasher switched off, press in the On/Off button. The ended programme lamp flashes.

If one of the programme lamps is illuminated, this wash programme is activated. The programme must be deselected: press and hold the programme selection/cancel button for approx. 3 seconds. The programme lamp goes out and the indicator for the ended programme cycle flashes indicating that the programme has been cancelled.

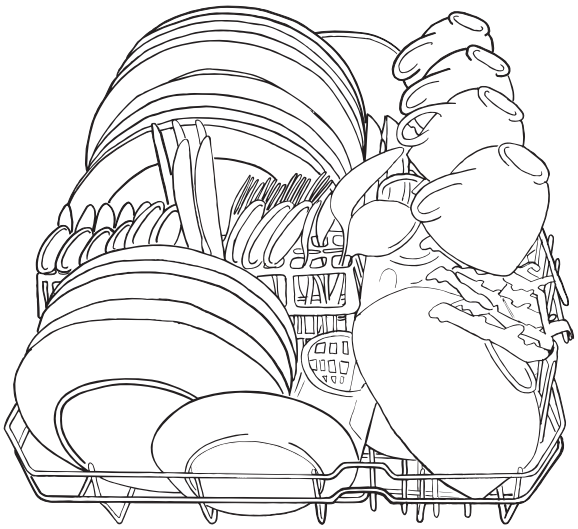
2. Press the programme selection/cancel button and hold it pressed until indicator lamp 1 starts to flash and lamp 2 lights up.
3. Directly after press the programme button again, lamp 1 will change from flashing to continual illumination and goes out after approx. 3 seconds. Lamp 2 starts to flash and the indicator for the ended programme cycle goes on. Press the button once more and the lamp for the ended programme cycle goes out. The audible signal is now off.
4. Press out the On/Off button to complete the setting.

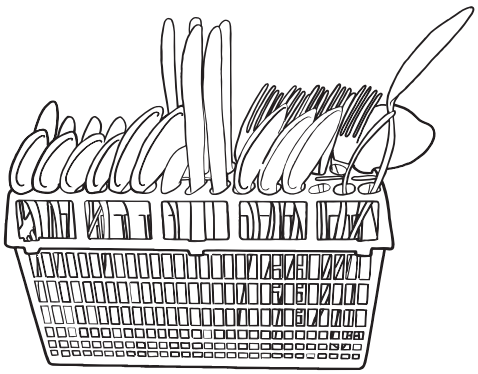
To activate the function again, follow steps above, until the lamp for the ended programme cycle goes on again.

Loading the dishwasher

How to load the dishes

The illustration shows the dishwasher loaded with 5 place settings. Your own dishes are not likely to be identical to this load, but if you follow the advices below we are sure you will be pleased with the result.





- Always place glasses, cups and bowls upside down.
- Incline deep dishes (soup plates etc.) so that the water can run off when drying.
- Make sure that the dishes do not rest against each other. This is particularly important in regard to the cutlery basket - nested spoons, etc. simply cannot be properly washed. The water must get at all the soiled surfaces.
- Make sure that cutlery with slender handles and other items do not protrude through the openings in the basket and prevent the spray arm from rotating.
- Never put silver and stainless steel objects together. When these metals come into contact with each other a chemical reaction occurs which stains the silver.
- China with a pattern applied on top of the glaze may not be suitable for machine washing as the colours may fade and lose their lustre. The same applies to cutlery with wooden or plastic handles.

  Make sure you always buy articles that are dishwasher proof.

- Silver and aluminum items tend to be discolour when washed. Food remnants from egg and mustard often causes discolourations and stains on silver. Make sure to rinse off and remove food remnants on silver if it is not washed immediately after it has been used.
- Not all plastic articles are machine washable. If you are in doubt as to whether your plasticware can be machine washed, we suggest you check by washing a single item or else wash them by hand.
- When washing delicate items, select the programme with the lower wash temperature.
- Substances such as ketchup containing strong colouring agents can cause temporary discolouration to the interior of the dishwasher.

Do not place sharp knives with their points upwards. It is much safer to lay them horizontally in the main basket.

Programme chart

Type of dishes	Plates and cooking pots	All types of dishes			Coffee cups, delicate items
Type of soil:	• heavily soiled • dried-on food remnants especially egg-white and starch	• normally soiled • dried-on food remnants	• normally soiled	• lightly soiled	• lightly soiled
	⇩	⇩	⇩	⇩	⇩
Suitable programme:	INTENSIVE 70° C	NORMAL 65° C	ENERGY SAVE 55° C 2)	QUICK 50° C	GLASS 40° C
Programme-cycle:	Washing 2 x rinses Final rinse Drying	Washing Rinse Final rinse Drying	Washing Rinse Final rinse Drying	Washing Rinse Final rinse -	Washing Rinse Final rinse -
Consumption figures: 1)	⇩	⇩	⇩	⇩	⇩
Washing time with drying:	107 minutes	85 minutes	152 minutes	30 minutes	28 minutes
Drying time:	15 minutes	15 minutes	69 minutes	—	—
Energy:	1,0 kWh	0,80 kWh	0,57 kWh	0,48 kWh	0,43 kWh
Water:	10 litres	8 litres	8 litres	8 litres	8 litres

1) Consumption figures have been calculated for nominal conditions. The figures can vary depending on inlet water temperature and how full the main and cutlery basket are.

2) Consumption figures and performance is according to the Energy Save programme cycle.

All programmes begin with a drain.

Dishwashing detergent in tablet form is not suitable for use in the Quick- and Glass programme cycles because some tablets cannot develop their full cleaning power during short programmes.

Using the appliance

Starting the programme

1. Scrape or rinse off solid food remnants.
2. Load the dishwasher.
   (See the basket and loading).
3. Put the correct amount of detergent into the detergent dispenser.
4. Close the door.
5. Press in the On/Off button, the indicator for the ended programme cycle is flashing.
5. Select the required programme by repeatedly pressing the programme button. (see programme chart). The lamp for the selected programme lights up and the wash programme will begin.

The machine will propose the last selected program.

Interrupting the programme temporarily

1. Open the door. The programme stops.
2. Close the door and the programme continues after about 6 seconds.

Open the door carefully when the dishwasher is running, since hot steam may escape.

Cancelling the programme

1. Press and hold the programme selection/cancel button for approx. 3 seconds. The programme lamp goes out. The indicator for the ended programme cycle flashes.
2. Release the button. The programme is now cancelled and a new programme can be selected.

Cancelling the drying phase

In case you do not want to wait until the drying phase is completed, you can cancel it by opening the door. The drying phase is now cancelled.

Setting the delay start

The programme start can be delayed by 3 hours.

1. Press in the On/Off button.
2. Press the delay start button. The lamp for the delayed start lights up.
3. Select the desired dishwashing programme. The programme lamp goes on.
4. The programme will start when 3 hours have elapsed.

Cancelling the delayed start:

Press the delay start button, the lamp for the delayed start goes out. The required programme starts immediately.

Switching the dishwasher off / Unloading

Switch the dishwasher off when the audible signals for ended programme sounds (few short tones) or the lamp for the ended programme cycle lights up.

1. Press the On/Off button.
2. Open the door and leave it slightly ajar. Wait approx. 15 minutes before removing the dishes, so that they dry better and cool down.
3. Check the filters to see if they need to be cleaned.

Be careful if you open the door immediately after the programme is finished, since hot steam may escape.

Cleaning the dishwasher

Clean the outside surfaces of the appliance using a mild (non-abrasive) household cleaning product. Finish by removing remaining traces of the product with a damp cloth.

Do not use cleaning products which contain alcohol (spirits), thinners and similar substances.

In the event of a fault

Before calling out an engineer, please check through the details below because some faults can be rectified easily without the need to call out an engineer. If an engineer is called to resolve a problem listed below or to repair a fault caused by incorrect installation or mis-use a charge will be made, even if the appliance is under guarantee.

Fault	Check
The programme will not start.	• Is the door closed properly? • Have you pressed the On/Off button? • Is the water tap turned on? • Is the dishwasher plugged in? • Has the fuse blown? • Is the delayed start-button pressed in? • Is the previous programme finished? *(See "Using the appliance").*
The dishwasher is not filling with water.	• Is the water tap turned on? • Has your domestic water supply been cut off temporarily? • Is the water inlet hose kinked or squashed? • Is the filter inside the inlet hose blocked? • Is the water pressure too low?
Water not discharged at end of cycle.	• Did you open the door before the indicator light for the ended programme cycle was lit and the programme cycle finished? • Is the previous programme finished? *(See "Using the appliance").* • Are the filters clogged?
Dishes not washed satisfactorily.	• Has anything prevented the spray arm from rotating? • Are the spray arm holes clogged? • Were the dishes packed too close together? • Are the filters clogged? • Are the filters fitted correctly? • Did you use enough detergent? • Did you select a programme with too low temperature? • Is the rinse aid dispenser empty?
Visible lime deposits or white film on the dishes.	• Is the rinse aid dispenser adjusted to too low dosage?
The dishwasher is noisy.	• Are the dishes rattling against each other? • Is the spray arm knocking against the dishes?
Whistling sound when washing.	• This is not a fault, try another brand of detergent.
The dishes are not quite dry and are not shiny.	• Is the rinse aid dispenser empty or adjusted to too low dosage? • Have the dishes been left too long inside the dishwasher?
The door is difficult to close.	• Is the dishwasher level?

In the event of a fault

With help of the sound signals and flashing lamps on the panel, it's possible that you can solve the problem yourself. When the problem is solved, press in the button for the disrupted programme and the programme continues.

In the case of other fault messages:
- Interrupt the dishwashing cycle.
- Switch the dishwasher off.
- Select the relevant programme again.

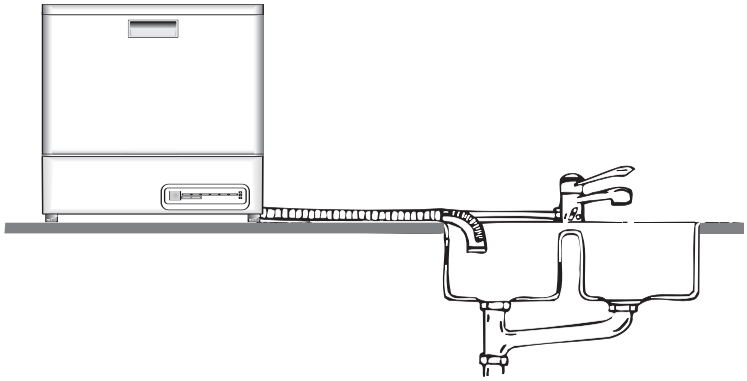
If the problem occurs again, contact your local service centre, stating the fault message.

Fault	Check
The indicator lamps for the selected programme and for the ended programme cycle is flashing and 1 short warning signal is emitted: (Problems with the water supply).	• Is the water tap turned on? • Is the filter inside the inlet hose blocked? • Is the water inlet hose kinked or squashed? • Are the filters clogged?
The indicator lamps for the selected programme and for the ended programme cycle is flashing and 2 short warning signals are emitted: (Problems with water drainage).	• Is the spigot blocked? • Is the water drain hose kinked or nipped? • Are the filters clogged?

Information for test centres

The salt container and rinse aid dispenser shall be filled in accordance with this instruction manual.
Before conducting the measurements the dishwasher shall be operated for one or two complete cycles using detergent and a clean load.

Test standard:	EN 50242 and EN 60704
Rated capacity:	5 place settings accordance EN 50242
Loading of basket:	see chapter ”Loading the dishwasher”
Test program:	energy saving 55° C
Detergent (IEC type B):	12 gram in the dispenser
Rinse aid (type III):	setting medium
Feed water pressure:	minimum 0,8 bar, maximum 10 bar
Waste water outlet:	install according to figure below



Service

Service and spare parts

Servicing and repairs must be carried out by a service company authorised by the supplier. Use only spare parts supplied by these.

Before calling service, use the trouble shooting table ”In the event of a fault” to try to attend to the fault yourself. If service is called in to solve a problem that is in this list, there is a risk that you will be responsible for the cost. This is also true if you have used the appliance for a purpose other than it is intended for.

Note that electrical faults shall always be rectified by a certified electrician.

State the appliance’s model designation, product- and serial numbers according to the data plate affixed to the rear of the dishwasher.

You can record these details here:

TYPE. .....

MOD. .....

PROD.NO. .....

SER.NO. .....

Purchase date: .....

Under what circumstances does the fault occur?

CE This appliance complies with the following E.E.C. directives:

– 73/23/EEC, dated 19.02.1973 – low-voltage directive.

– 89/336/EEC, dated 03.05.1989 (incl. amendment

– 92/31/EEC) – directive on electromagnetic compatibility.

Installation instructions

⚠ **Any electrical work required to install this appliance, should be carried out by a qualified electrician or competent person.**

⚠ **Any plumbing work required to install this appliance, should be carried out by a qualified plumber or competent person.**

Technical specifications

Capacity:	5 place settings accordance EN 50242	
Dimensions:	Height	460 mm
	Width	450 mm
	Depth	480 mm
Weight:	Net	17 kg
Water pressures:	Minimum	50 kPa (0,5 bar)
	Maximum	1000 kPa (10 bar)
Water temperature:	Maximum	65° C
Electrical data:	Power supply	230 V - 50 Hz
	Fuse	10 A
	Heating element	1200 W
	Power rating	1280 W

Unpacking

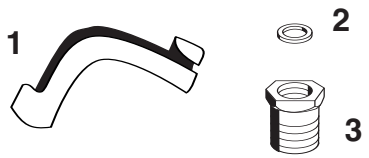
Damages

If the dishwasher has been damaged during transport, you should immediately notify the company responsible for delivering it.
Check that the dishwasher is undamaged. If you discover any damage, faults or that anything is missing, you should notify the dealer immediately.

⚠ **Never leave packaging material in a place where children may play with it.**

Check that the following accessories are supplied with the dishwasher when you unpack it:

- Elbow for discharge hose (**1**)
- Rubber seal (**2**)
- Restrictor 1/2" (**3**)

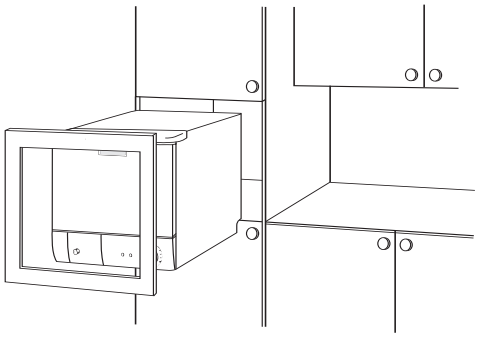


Use

This dishwasher is designed solely for washing household utensils suitable for washing in a dishwasher. Using it for other purposes may damage it and invalidate the guarantee.

Building-in

If you want to build the dishwasher into your kitchen furniture, it is important to use our approved build-in kit. This comes with the correct instructions needed to observe all the relevant regulations.
You can obtain the build-in kit from the same place where you bought the dishwasher.



Protecting the dishwasher against freezing

⚠ **If the dishwasher is placed in an environment where the temperature sometimes fall below 0° C, there is a risk that the small amount of water which remains inside the parts of the dishwasher will freeze and damage it.**
To prevent this you should:

☞ 1. Turn off the water supply to the dishwasher.

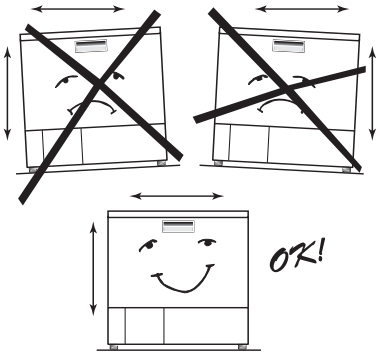
2. Drain the inlet and discharge hoses.

ⓘ The appliance is only to be used and stored indoors at normal room temperature. The manufacture is not responsible for any frost damage.

Installation

Positioning

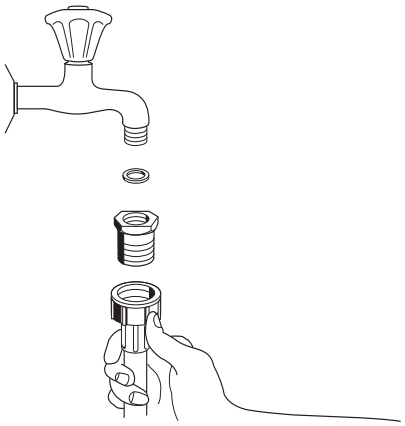
The dishwasher is intended to be installed on a kitchen drainer or worktop. To function properly, make sure that the appliance is level. Its height can be adjusted with the adjustable feets (8 mm each).



Water inlet

The temperature of the water supply should not exceed 65° C and the pressure should be between 50-1000 kPa (0,5 - 10 bar).
It is important to have a tap or stopcock, positioned close to the dishwasher and with easy access. Special mixer taps with dishwasher connections are available, as well as adaptors for older mixer taps. Connect the inlet hose to a tap with a 3/4" pipe thread. If necessary, use the restrictor (1/2") supplied.

The inlet hose must not be joined onto any form of extension hose. If it is too short, the entire hose must be replaced with a longer high-pressure hose, specially designed for the purpose. The end of the hose, which is connected to the dishwasher can be turned in any direction. Loosen the retaining nut, turn the hose, then retighten the nut.



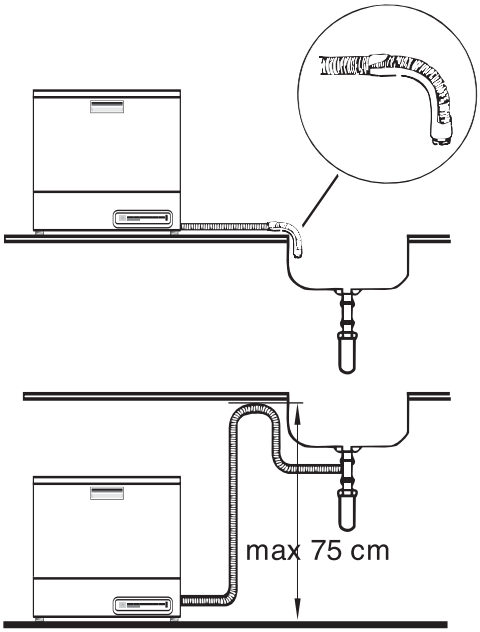
⚠ **Check that the nut and all other connections are tight before the machine is moved into position.**

⚠ **Use only the inlet hose supplied to the dish-washer, do not reuse the old inlet hose.**

Water drainage

Place the discharge hose over the sink as illustrated.
It must not at any point be higher up than 75 cm over the surface which the dishwasher is standing on. If it runs higher, operation of the dishwasher might be impaired.

It is also important to ensure that the inside diameter of the hose is not less than 13 mm at any point. If the discharge hose is too long, it can easily be cut to the right length.



☞ 1. Cut the hose to a suitable length, using a sharp knife.

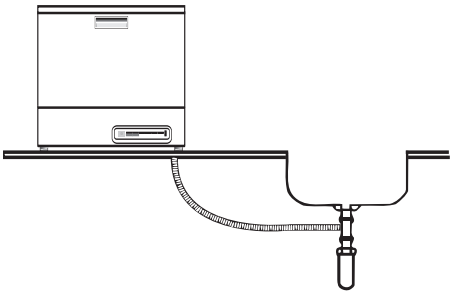
2. Fit the elbow supplied onto the end of the hose.

Electrical connection

The dishwasher is supplied with a lead and electrical plug for connection to a 230 V earthed wall socket, which should be easily accessible and protected by a 10 A fuse.

⚠ **Before any work is carried out on the dish-washer, it must be isolated from the electric mains supply, for example by removing the plug from the wall socket.**

⚠ **Permanent electrical installation must be carried out by an authorised electrician or competent person.**



Electrolux

The Electrolux Group. *The world's No.1 choice.*

The Electrolux Group is the world's largest producer of powered appliances for kitchen, cleaning and outdoor use. More than 55 million Electrolux Group products (such as refrigerators, cookers, washing machines, vacuum cleaners, chain saws and lawn mowers) are sold each year to a value of approx. USD 14 billion in more than 150 countries around the world.

CE

Technical changes possible

AGB 06-05